

## Curriculum Vitae

### **Annie Khan (Dookhan)**

#### **Education:**

University of Massachusetts, Boston, Ma, Bachelor of Science  
Major: Biochemistry  
Minor: Economics

#### **Experience:**

2003 – present

#### **Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory**

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.  
\*Writing of the Standard Operating Procedures (SOPs) and Protocols.  
\*Responsible for the Quality Control and Quality Assurance of analytical instruments, reagents and controls/standards.  
\*Maintenance and repairs of analytical instruments.  
\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.  
\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court.  
\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.  
\*Appointed Assistant Analyst by Assistant Commissioner of Public Health.  
\*Notary Public.

2001 – 2003

#### **QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control**

\*Completed proficiency training conducted by a member of the staff within the MBL Quality Control and Quality Assurance Department for the Food and Drug Administration.  
\*Method Development for creating new techniques for the QC Dept. and FDA.  
\*Writing, revising and reviewing the Standard Operating Procedures (SOPs).  
\*Trained and supervised new chemists and interns for the department.  
\*Routine QC testing of products for the FDA.  
\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.  
\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.  
\*Complete testing of chemicals for Vendor Validation Project for the FDA.  
\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Courses:**

##### **Department of Justice – Forensics Professionals**

Introduction to Forensic Drug Chemistry  
Chemical Spot Test and Mechanism for Illicit Drugs  
Forensic Mass Spectrometry  
Forensic Science 101: An Introduction  
Fundamentals of Forensic Questioned Documents

Perspectives in Expert Testimony  
Evidence Analysis  
Ethics in Forensic Science  
Transition to Leadership  
Fundamentals of Forensic Toxicology

#### **Additional Trainings:**

Good Laboratory Practice/Good Manufacturing Practice (GLP/GMP) training with Massachusetts Biologic Laboratory.  
Quality Control/Quality Assurance (QC/QA) training according to FDA Codes and Regulations.  
Gas Chromatography (GC) and Gas Chromatography/Mass Spectrometry (GC/MS) trainings with Agilent Technologies and Restek.  
High Power Liquid Chromatography (HPLC) and HPLC/MS/MS trainings with Waters Cooperation.  
Fourier Transform Infrared Spectroscopy (FTIR) training with Spectros and Spectrum One.  
Ultraviolet–Visible Spectroscopy (UV-Vis) training with Agilent Technologies and Beckman.  
Total Organic Carbon Analyzer (TOC) training with MBL and Sievers.

#### **Associations:**

American Chemical Society (ACS)  
Northeastern Association of Forensics Science (NEAFS)